

**Los Angeles County Municipal Storm Water Permit (Order 01-182)****Individual Annual Report Form****Attachment U-4****FY 2011-12**

This form summarizes the requirements in Order No. 01-182. Each Permittee must complete this form in its entirety, except for those requirements applicable only to the Principal Permittee. Only report activities that were performed during the previous fiscal year. Upon completion, this form shall be submitted to the Principal Permittee, by the date specified by the Principal Permittee, for inclusion in the unified Annual Storm Water Program Report. Attachments should be included where necessary to provide sufficient information on program implementation.

The goals of this Report are to: 1) concisely document implementation of the Storm Water Quality Management Program (SQMP) during the past fiscal year; 2) evaluate program results for continuous improvement; 3) to determine compliance with Order 01-182; and 4) to share this information with other Permittees, municipal decision makers, and the public.

<b>!</b>	<b>YOU MUST FILL OUT ALL THE INFORMATION REQUESTED</b> <i>Do not leave any of the sections blank.</i>
<b>N/A</b>	If the question does not apply to your municipality, please indicate N/A in the space provided and provide a brief explanation
<b>U</b>	If the information requested is currently unavailable, please indicate U in the space provided and give a brief explanation.

This Report Form consists of the following sections:

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A. Permittee Name: City of Pasadena

B. Permittee Program Supervisor: Daniel Rix  
 Title: City Engineer  
 Address: Post Office Box 7115  
 City: Pasadena Zip Code: 91109-7215  
 Phone: 626-744-4267 Fax: 626-744-3823

C. In the space below, briefly describe how the storm water program is coordinated within your agency's departments and divisions. Include a description of any problems with coordination between departments. To facilitate this, complete the Table 1.

The Public Works Department leads the coordination of the Storm Water program. City of Pasadena is comprised of many divisions that are operated and managed independently. Although, the coordination of this program has been a challenge, many activities have been initiated and implemented to ensure compliance with the Municipal Permit requirements.

Problems associated with coordination of this program have generally been the lack of enough staff members in charge of the program implementation, which is mainly due to the budget problems.

**TABLE 1 - Program Management**

<b>Storm Water Management Activity</b>	<b>Division/Department</b>	<b># of Individuals Responsible for Implementing</b>
1. Outreach & Education	Public Works	2
2. Industrial/Commercial Inspections	Public Works	4
3. Construction Permits/Inspections	Building/Permitting	9
4. IC/ID Inspections	Public Works	4
5. Street sweeping	Public Works	8
6. Catch Basin Cleaning	Public Works	1+County crews
7. Spill Response	Public Works	7
8. Development Planning (project/SUSMP review and approval)	Planning/Permitting	5
9. Trash Collection	Public Works	26

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D. Staff and Training

Attach a summary of staff training over the last fiscal year. This shall include the staff name, department, type of training, and date of training.

Regular annual trainings are conducted for the Public Works field and maintenance crew, the office staff, the Permitting Department plan checkers and inspectors, The Design Engineers and construction inspectors. In addition to the regular annual trainings, refresher trainings are also ongoing which provide updated information to the supervisors and trainers.

E. Budget Summary

1. Does your municipality have a storm water utility? Yes  No

If no, describe the funding source(s) used to implement the requirements of Order No. 01-182.

Storm Drain Benefit Assessment and General Funds
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2. Are the existing financial resources sufficient to accomplish all required activities? Yes  No

3. Complete Table 2 to the extent that accurate information is available (indicate U in the spaces where the information is unavailable), and report any supplemental dedicated budgets for the same categories on the lines below the table.

4. List any additional state/federally funded projects related to storm water.

Used Oil Grant Funds
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The cost estimate below does not reflect the draft Permit requirements.

**TABLE 2**

<b>Program Element</b>	<b>Estimated Expenditures in Previous Fiscal Year 2011-12</b>	<b>Estimated Amount Needed to implement Order 01-182 2012-13</b>
1. Program management		
a. Administrative costs	\$44,000	49,000
b. Capital costs	\$90,000	\$99,000
2. Public Information and Participation		
a. Public Outreach/Education	\$10,000	\$11,000
b. Employee Training	\$15,000	\$17,000
c. Corporate Outreach		
d. Business Assistance		
3. Industrial/Commercial inspection/ site visit activities	\$24,000	\$27,000
4. Development Planning	\$87,000	\$96,000
5. Development Construction		
a. Construction inspections	\$40,000	\$44,000
6. Public Agency Activities		
a. Maintenance of structural and treatment control BMPs	\$148,000	\$163,000
b. Municipal street sweeping	\$1,561,000	\$1,717,000
c. Catch basin cleaning	\$44,000	\$48,000
d. Trash collection/recycling	\$15,100,000	\$16,610,000
e. Capital costs	\$799,000	\$879,000
f. Other-Includes wind storm clean up	\$3,466,000	\$513,000
7. IC/ID Program		
a. Operations and Maintenance	\$380,000	\$418,000
b. Capitol Costs		
8. TMDLS		
Monitoring	\$75,000	\$83,000
Implementation	\$180,000	\$198,000
9. Other-General Storm Drain		
10. TOTAL	\$22,063,000	\$20,972,000

List any supplemental dedicated budgets for the above categories:

None

List any activities that have been contracted out to consultants/other agencies:

The NPDES Municipal Storm Water Permit administration coordination is contracted to a consultant. The annual cleaning of the City Catch Basins is also outsourced to the County and City Contractors. TMDLS related issues such as monitoring and/or developing the Implementation Plans have been outsourced to the City of Los Angeles, County, or different consultants.

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- A. Are you aware, or have you been notified, of any discharges from your MS4 that cause or contribute to a condition of nuisance or to the violation of any applicable water quality standards? Yes  No
- B. Has the Regional Board notified you that discharges from your MS4 are causing or contributing to an exceedance of water quality standards? Yes  No
- C. If you answered Yes to either of the above questions, you must attach a Receiving Water Limitations (RWL) Compliance Report. The Report must include the following:
1. A description of the pollutants that are in exceedance and an analysis of possible sources;
  2. A plan to comply with the RWL (Permit, Part 2);
  3. Changes to the SQMP to eliminate water quality exceedances;
  4. Enhanced monitoring to demonstrate compliance; and
  5. Results of implementation.

**III. SQMP Implementation (Part 3)**

- A. Has your agency implemented the SQMP and any additional controls necessary to reduce the discharges of pollutants in storm water to the maximum extent practicable? Yes  No
- B. If your agency has implemented additional or different controls than described in the countywide SQMP, has your agency developed a local SQMP that reflects the conditions in its jurisdiction and specifies activities being implemented under the appropriate elements described in the countywide SQMP? Yes  No
- C. Describe the status of developing a local SQMP in the box below.

City of Pasadena's Storm water program has been based on the Model programs that are part of the SQMP developed by the County as the principal Permittee under the current Permit.

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- D. If applicable, describe an additional BMP, in addition to those in the countywide SQMP, that your city has implemented to reduce pollutants in storm water to the maximum extent practicable.

City's SUSMP adopted ordinance imposes extreme conditions on all hillside development projects. The intent of adopting such strict regulations was to discourage projects and urbanization in the hillside area. Subsequently, as the result, this BMP potentially could maximize the permeable areas which may result in the decreased urban runoff. This has extended the Permit requirements of the SUSMP which implements additional BMPs and programs to decrease runoff and its potential pollutants of concerns when possible. The City has either implemented TMDL related BMPs and/or has developed implementation Plans that include BMPs that are not listed in the Countywide SQMP.

E. Watershed Management Committees (WMCs)

1. Which WMC are you in? Los Angeles River Watershed Management Committee
2. Who is your designated representative to the WMC? Consultant and/or City staff
3. How many WMC meetings did you participate in last year? All
4. Describe specific improvements to your storm water management program as a result of WMC meetings.

The City of Pasadena representative attends these WMC meetings, although only required Quarterly, on a regular basis and as scheduled. The city has been an active member in discussions and providing comments. Improvements to the City's program has not been a direct effect of these WMCs.

5. Attach any comments or suggestions regarding your WMC.  
 These WMCs need to be modified and changed into more focused and TMDL driven committees. The same water body contributing discharges should be participating at the same Jurisdictional and/or reaches meetings. The City participates in several TMDL driven committees which are most efficient to attain the goals of the program.

F. Storm Water Ordinance

1. Have you adopted a storm water and urban runoff ordinance to enforce all requirements of Order 01-182? Yes  No   
 If not, describe the status of adopting such an ordinance.

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2. If yes, have you already submitted a copy of the ordinance to the Regional Board? Yes  No   
If not, please attach a copy to this Report.
3. Were any amendments made to your storm water ordinance during the last fiscal year? Yes  No   
If yes, attach a copy of amendments to this Report.

**G. Discharge Prohibitions**

1. List any non-storm water discharges you feel should be further regulated:

The implication of the program is that all non storm water discharges are regulated. There are not many known non-storm water discharges that are NOT regulated; therefore, none need further regulations.

The NPDES Municipal Permit prohibits all non-storm water discharges except for the conditionally exempted discharges, which would have to implement the appropriate BMPs.

2. List any non-storm water discharges you feel should be exempt, and provide an explanation for each:

Waste water and discharges that are created as the result of the emergency activities by Departments such as Fire and Police.

There is not enough time to treat waste water and/or implement BMPs in emergency situations

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**IV. Special Provisions (Part 4)**

**A. Public Information and Participation (Part 4.B)**

In addition to answering the following questions, attach a summary of all storm water education activities that your agency conducted or participated in last year.

**1. No Dumping Message**

a) How many storm drain inlets does your agency own? 1,020

This includes catch basin and culvert inlets.

b) How many storm drain inlets were marked with a no dumping message in the last fiscal year?

As part of the County's CB Cleaning Contract, all City owned CBs were stenciled in 2011.

In addition, the City has authorized the County to stencil County owned CBs within the City's jurisdiction.

c) What is the total number of storm drain inlets that are legibly marked with a no dumping message? Approximately 1000 city inlet

If this number is less than the number in question 1.b, describe why all inlets have not been marked, the process used to implement this requirement, and the expected completion date.

Numbers are approximately same

d) How many public access points to creeks, channels, and other water bodies within your jurisdiction have been posted with no dumping signage in the past year? 2

Describe your agency's status of implementing this requirement by the date required in Order No. 01-182.

Completed

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2. Reporting Hotline

- a) Has your agency established its own hotline for reporting and for general storm water management information? Yes  No
- b) If so, what is the number? 626-744-7876 (STRM)
- c) Is this information listed in the government pages of the telephone book? Yes  No
- d) If no, is your agency coordinated with the countywide hotline? Yes  No
- e) Do you keep record of the number of calls received and how they were responded to? Yes  No
- f) How many calls were received in the last fiscal year? Total of 103 calls, 64 sewer and 39 storm drain related
- g) Describe the process used to respond to hotline calls.

These calls were received by either the citizens complaining of backups or off hour calls by Fire and/or Police dispatch. All calls were responded to and the appropriate departments and inspectors were dispatched immediately.

- h) Have you provided the Principal Permittee with your current reporting contact information? Yes  No
- i) Have you compiled a list of the general public reporting contacts for all Permittees and posted it on the [www.888CleanLA.com](http://www.888CleanLA.com) web site (Principal Permittee only)? N/A Yes  No   
If not, when is this scheduled to occur?

3. Outreach and Education

- a) Describe the strategy developed to provide outreach and bilingual materials to target ethnic communities. Include an explanation of why each community was chosen as a target, how program effectiveness will be determined, and status of implementation. (Principal Permittee only)

N/A

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- b) Did the Principal Permittee organize quarterly Public Outreach Strategy meetings that you were aware of? Yes  No
- How many Public Outreach Strategy meetings did your agency participate in last year? All
- Explain why your agency did not attend any or all of the organized meetings.

Identify specific improvements to your storm water education program as a result of these meetings:

The City of Pasadena has utilized the County's meetings as one of the sources to obtain information regarding the upcoming County programs and to coordinate their efforts with this agency. The City also benefits from the County's collateral materials that were made available to them.

List suggestions to increase the usefulness of quarterly meetings:

These meetings could be the forums to collect input from various Co-permittees in order to develop a more effective County wide program. The County should solicit input from the Cities to develop their future programs in lieu of presenting reports of programs that are already in place.

If quarterly Public Outreach Strategy meetings were not organized, explain why not and when this requirement will be implemented (*Principal Permittee only*).

N/A

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- c) Approximately how many impressions were made last year on the general public about storm water quality via print, local TV, local radio, or other media?

The City has made many impressions on the general public, city employees, residents, business owners, students, and other communities by distributing the collateral materials provided by the County and conducting the regular annual staff training seminars. The City has also launched the “Green City Program”, which is a Colorful, dynamic and fast paced, web based Green Training program. The program presents facts, helpful tips and the chance to pledge one’s commitment to create a healthy, safe, and clean environment. The exact number of the impressions made is unknown.

- d) Describe efforts your agency made to educate local schools on storm water pollution.

City of Pasadena relies on the County’s program that is offered to all schools. Through the County’s contract with Generation Earth, some schools have been visited targeting the students. The information below is regarding the schools that have either participated at their water pollution prevention workshops or received support for a project on their campus.

- Aveson Global Leadership Academy  
2020 North Fair Oaks Ave., Pasadena 91103
- John Muir High School  
1905 North Lincoln Ave., Pasadena 91103
- Mayfield Senior School  
500 Bellefontaine St., Pasadena 91105
- Villa Esperanza Services  
2116 East Villa St., Pasadena 91107
- Westridge School for Girls  
324 Madeline Dr., Pasadena 91105

- e) Did you provide all schools within each school district in Los Angeles County with materials necessary to educate a minimum of 50 percent of all school children (K-12) every 2 years on storm water pollution (*Principal Permittee only*)?

N/A

Yes  No

If not, explain why.

N/A

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- f) Describe the strategy developed to measure the effectiveness of in-school educational programs, including assessing students' knowledge of storm water pollution problems and solutions before and after educational efforts (*Principal Permittee only*).

N/A

For Permit Years 2-5, attach an assessment of the effectiveness of in-school storm water education programs.

- g) What is the behavioral change target that was developed based on sociological data and other studies (*Principal Permittee only*)?

N/A

If no target has been developed, explain why and describe the status of developing a target.

N/A

What is the status of meeting the target by the end of Year 5?

N/A

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4. Pollutant-Specific Outreach
- a) Attach a description of each watershed-specific outreach program that your agency developed (*Principal Permittee only*). All pollutants listed in Table 1 (Section B.1.d.) must be included. N/A
- b) Did your agency cooperate with the Principal Permittee to develop specific outreach programs to target pollutants in your area? Yes  No
- c) Did your agency help distribute pollutant-specific materials in your city? Yes  No
- d) Describe how your agency has made outreach material available to the general public, schools, community groups, contractors and developers, etc.

The City has launched a Green City program, a colorful, dynamic and fast paced, web based Green Training program which was created to inspire, motivate, and educate city employees, residents, business owners, students, and other communities on the city's Green City Action Plan and how each of one can play a part in improving the environment. The program presents facts, helpful tips and the chance to pledge one's commitment to create a healthy, safe, and clean environment.

The City has also distributed Storm water specific educational materials to general public & businesses through the Permitting Building Division, Public counters all around the City Hall, and any other opportunity that may present itself. Staff and crew have also been receiving materials at the annual training seminars.

The plastic bag ban went into effect for large grocery stores and food marts on July 1, 2012. These are grocery stores or food marts with at least 10,000 square feet of retail space and stores less than 10,000 square feet that have a pharmacy.

On December 31, 2012, the ban will take effect for smaller grocery stores and food marts, liquor stores, convenience stores, farmers markets, drug stores, pharmacies and vendors at City sponsored events, facilities, or on City property.

City of Pasadena encourages the residents and the business community to avoid using plastic bags by providing information on the website regarding the frequently asked questions.

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5. Businesses Program

- a) Briefly describe the Corporate Outreach Program that has been developed to target gas stations and restaurant chains (*Principal Permittee only*).

N/A

- b) How many corporate managers did your agency (*Principal Permittee only*) reach last year? N/A

- c) What is the total number of corporations to be reached through this program (*Principal Permittee only*)? N/A

- d) Is your agency meeting the requirement of reaching all gas station and restaurant corporations once every two years (*Principal Permittee only*)?

Yes  No

If not, describe measures that will be taken to fully implement this requirement.

N/A

- e) Has your agency developed and/or implemented a Business Assistance Program? Yes  No   
 If so, briefly describe your agency's program, including the number of businesses assisted, the type of assistance, and an assessment of the program's effectiveness.

This specific task as it is noted in the Permit, is for the LA County to undertake. However, the City has always been helpful to its business community in general. More specifically, the site inspection program for the restaurants that has been conducted by the City's Health Department is one of the most effective approaches to reach the businesses.

The City Public Works Department has assisted the autoshops while conducting NPDES inspection follow ups, providing educational materials, and helpful tips for better implementation of the good house keeping BMPs. The business owners and/or operators are encouraged to contact the City staff for information regarding the program. The City staff can be available for assistance to the best of their abilities.

6. Did you encourage local radio stations and newspapers to use public service announcements?  
 N/A

Yes  No

How many media outlets were contacted?

Which newspapers or radio stations ran them?

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County has been tasked with this requirement.

Who was the audience?

N/A

7. Did you supplement the County's media purchase by funding additional media buys? Yes  No

Estimated dollar value/in-kind contribution: N/A

Type of media purchased: N/A

Frequency of the buys: N/A

Did another agency help with the purchase? N/A Yes  No

8. Did you work with local business, the County, or other Permittees to place non-traditional advertising? N/A Yes  No

If so, describe the type of advertising.

The City of Pasadena had coordinated with the County to utilize their already in place program.

9. Did you establish local community partnerships to distribute educational storm water pollution prevention material? Yes  No

Describe the materials that were distributed:

Storm water fliers, brochures and tip cards.

Who were the key partners? County Public works, Pasadena Health Department,

Who was the audience (businesses, schools, etc.)?

General public, Gardeners, business community

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10. Did you participate in or publicize workshops or community events to discuss storm water pollution?

City staff has participated in several workshops conducted by various municipalities or groups to discuss major issues such as the TMDL implications, funding and implementation strategies.

In addition, the City has launched a Green City program which is a colorful, dynamic and fast paced, web based Green Training program which was created to inspire, motivate, and educate city employees, residents, business owners, students, and other communities on the city's Green City Action Plan and how each of one can play a part in improving the environment. The program presents facts, helpful tips and the chance to pledge one's commitment to create a healthy, safe, and clean environment.

The plastic bag ban program has been encouraged and promoted via the Green City website. There are various information available discussing the reasons for implementing this program and etc.

Yes  No

How many events did you attend? 2-4

11. Does your agency have a website that provides storm water pollution prevention information?

Yes  No

If so, what is the address? [http://www.ci.pasadena.ca.us/permitcenter/greencity/home\\_green.asp](http://www.ci.pasadena.ca.us/permitcenter/greencity/home_green.asp)

12. Has awareness increased in your community regarding storm water pollution?

Yes  No

Do you feel that behaviors have changed?

Yes  No

Explain the basis for your answers. Include a description of any evaluation methods that are used to determine the effectiveness of your agency's outreach.

During interactions with the public, mainly contractors and /or developers, through the SUSMP plan checking, the Health Department site inspections of the restaurants, and the Public Works inspections of the Autoshops often public acknowledge their knowledge of this program.  
The City's Training program has also been as a valuable approach towards increasing the awareness of the City staff and the field crew. The program and its importance are discussed at the annual trainings which have been very effective.

13. How would you modify the storm water public education program to improve it on the City or County level?

A County -wide effectiveness survey needs to be launched to establish a more accurate measure of understating through different ages, groups, and ethnicities of various communities.

NPDES No. CAS 004001

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**B. Industrial/Commercial Facilities Program**

**1. Critical Source Inventory Database**

Did you (individually or jointly) update the Database for Critical Sources Inventory?

Yes  No

Comments/Explanation/Conclusion:

The Critical Sources Inventory list is updated as inspections are conducted. The Critical Sources Inventory list is updated in two ways; annually as part of the annual report process; and as inspections are conducted. Eligible sites for the NPDES program are added and sites no longer applicable are removed from the list.

**2. Inspection Program**

Provide the reporting data as suggested in the following tables.

Reporting Cycle=July 2011-Dec2013 Reporting Year=July 2011-June 2012 Permit Adoption=Dec 2001

Category	Initial Number of Facilities at the start of cycle proposed for inspection by categories (after the initial year, the updated number based on the new data)	Number of facilities inspected in the current reporting year	% Completed at the time of this report for present cycle from the initial value, and from the updated value after first cycle)	Total number since permit adoption
Landfills	0	0	0	0
TSDf	0	0	0	0
GIASP	0	0	0	5
Restaurant	1089	2274	209%	13,449
Automotive	12	7	58%	746
Others	0	0	n/a	478

Comments/Explanation/Conclusion:

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3. **BMPs Implementation**

Provide the reporting data as suggested in the following table.

Category	Number of facilities inspected by category in this reporting year	Number of facilities identified as adequately implementing BMPs as specified in this reporting year FY2011-2012	% adequately implementing out of total in this reporting year	Number of facilities required to implement or upgrade in this reporting year	Number of facilities inspected by category in this reporting cycle (July2011-Dec2013)	Number of facilities identified as adequately implementing BMPs as specified in this reporting cycle (July2011-Dec2013)	% adequately implementing out of total in this reporting cycle	Number of facilities required to implement or upgrade in this reporting cycle (July2011-Dec2013)	Total Number during this permit adequately implementing	Total Number during this permit required to implement or upgrade
Landfills	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
TSDf	0	N/A	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A
GIASP	0	N/A	N/A	N/A	0	N/A	100	N/A	5	0
Restaurant	1089	774	71%	10	2274	774	71%	10	4,144	894
Automotive	7	7	100%	0	7	7	100%	0	622	124
Ind/Comm	0	N/A	N/A	N/A	0	N/A	N/A	N/A	397	81

Comments/Explanation/Conclusion:

Please note that the City's Health Department inspects restaurants multiple times each year. Additionally, all new and existing food facilities are assessed based on their menus and the types of food they serve. Depending on the types of food and quantity, a grease interceptor/trap system is required.

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4. Enforcement Activities

Provide the reporting data as suggested in the following tables.

Enforcement Actions by categories (e.g. Warning letter, NOV, referral to D.A., etc.)	Number of facilities issued enforcement actions in the current reporting year	Number of facilities issued enforcement actions in the current reporting cycle (July2011-Dec2013)	Number of facilities (re)inspected due to enforcement actions in current reporting year (July2011-June2012)	Number of facilities (re)inspected due to enforcement actions in current reporting cycle (July2011-Dec2013)	Number of facilities brought into compliance in the current reporting year (July2011-June2012)	Number of facilities brought into compliance in current reporting cycle (July2011-Dec2013)	Total number of enforcement actions since permit adoption (by category)
Verbal Warning*	45*	20	0	0	0	0	1108
NOV	16	0	0	0	0	0	266

\*Many facilities make the necessary corrections on the spot and do not require a re-inspection.

Facilities by category	Number of Warning letters	Number of NOVs	Number of Referral	Number of Other
Landfills				
TSDf				
GIASP				
Restaurant	0	16	0	0
Automotive	0	0	0	0
Ind/Comm				
Comments/Explanation/Conclusion:				

5. Program Implementation Effectiveness Assessment

Please give a brief assessment of the implementation of the program in removing pollutants from the storm water discharges. Please provide an explanation. Suggested improvements or adjustments based on the knowledge gained through this reporting period activities must be reflected in a change in the SQMP, if warranted.

Highly Effective

Somewhat Effective

Non-effective

Comments/Explanation/Conclusion: By working with the Building Dept., Pasadena food facilities are actively removing pollutants

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from the storm drain system

6. You must also submit a quarterly electronic submittal of your Industrial/Commercial Facilities Program activities.  
The files are kept at the City's Health Department and Public Works Department.

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C. Development Planning Program (Part 4.D)

*The information in this section has been provided based on the best data estimation available.*

1. Does your agency have a process to minimize impacts from storm water and urban runoff on the biological integrity of natural drainage systems and water bodies in accordance with requirements under CEQA, Section 404 of the CWA, local ordinances, and other legal authorities? Yes  No   
 Attach examples showing how storm water quality impacts were addressed in environmental documents for projects over the past year.
  
2. Does your agency have procedures to include the following requirements in all priority development and redevelopment projects:
  - a) Maximize the percentage of permeable surfaces to allow more percolation of storm water into the ground? Yes  No
  - b) Minimize the quantity of storm water directed to impermeable surfaces and the MS4? Yes  No
  - c) Minimize pollution emanating from parking lots through the use of appropriate treatment control BMPs and good housekeeping practices? Yes  No
  - d) Provide for appropriate permanent measures to reduce storm water pollutant loads from the development site? Yes  No

3. List the types and numbers of BMPs that your agency required for priority projects to meet the requirements described above.

- Fossil Filter Catch Basin Inserts: 11
- Storm Filters: 3
- Hydro-cartridge Filters: 0
- Flow-thru Planter Boxes: 1
- CDS Units (Gross Pollutant Separators): 0
- Filterra: 7
- Grass/ Vegetated Swales: 2
- Infiltration Planters: 3
- Vortek Unit (Gross Pollutant Separator): 0
- Pervious Pavers: 1
- Infiltration Trenches: 2
- Infiltration Devices: 2
- Signage/ Stencils: 17
- Covered Trash Areas: 2
- Protected Slopes Channels: 0

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4. Describe the status of the development or implementation of peak flow controls in Natural Drainage Systems.

N/A

5. Has your agency amended codes and/or ordinances to give legal effect to the SUSMP changes required in the Permit? Yes  No

6. Describe the process your agency uses to include SUSMP design standards in new development and redevelopment project approvals.

Effective January 1, 2011, the New 2010 Building Codes will be enforced.

New to this code cycle update is the:  
CALIFORNIA GREEN BUILDING STANDARDS CODE

Visit the California Building Standards Website for more information at this link

<http://www.bsc.ca.gov/default.htm>

Click below for a direct link to the New California Green Building Standards Code:

 [New California Green Building Standards Code](#)

Developers submit plans, to City for review. The City staff determines whether the project is included in the priority project category or not. If yes, then appropriate forms and guidelines are provided to the developers. When plans return to the City, they are required to have already incorporated the SUSMP requirements for plan check review. No Permits will be issued until the SUSMP requirements are approved.

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7. How many of each of the following projects did your agency review and condition to meet SUSMP requirements last year?
- |    |  |    |
|----|--|----|
| a) | Residential  | 21 |
| b) | Commercial   | 4  |
| c) | Industrial   | 0  |
| d) | Automotive Service Facilities  | 0  |
| e) | Retail Gasoline Outlets  | 0  |
| f) | Restaurants  | 0  |
| g) | Parking Lots   | 0  |
| h) | Projects located in or directly adjacent to or discharging directly to an environmentally sensitive area | 0  |
| i) | Total number of permits issued to priority projects  | 25 |
8. What is the percentage of total development projects that were conditioned to meet SUSMP requirements? 2%
9. How has your agency prepared to reduce the SUSMP threshold for industrial/commercial facilities to 1 acre from 100,000 square feet in 2003?

Adaptation of the legal authority by ordinance.

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- 10. After 2003, how many additional projects per year will require/did require implementation of SUSMP requirements as a result of the lower threshold? 0-12
  
- 11. Does your agency participate in an approved regional or sub-regional storm water mitigation program to substitute in part or wholly SUSMP requirements for new development?

The Pasadena Public Works Department collaborated with the Pasadena Water & Power to design and construct a "Community Rain Garden" in downtown Pasadena at the southeast corner of Union St. and Catalina Avenue. The goal was to beautify the site for the daily use and enjoyment of city residents, workers and visitors. The project was designed to promote water conservation with natural stone basins to retain water for plant growth in the winter; decomposed granite pathways for water percolation; native and drought-tolerant plant material with natural wood mulch; use of drip irrigation & solar irrigation controller; solar pathway lighting; and site furnishings including decorative benches, trash receptacles, and a picnic table, and a colorful public art piece. The project was built by City staff and contractors, and community volunteers at a City-sponsored Community Workshop.

Yes  No

- 12. Has your agency modified its planning procedures for preparing and reviewing CEQA documents to consider potential storm water quality impacts and provide for appropriate mitigation? Yes  No

If no, provide an explanation and an expected date of completion.

- 13. Did your agency update any of the following General Plan elements in the past year?

- a) Land Use Yes  No
- b) Housing Yes  No
- c) Conservation Yes  No
- d) Open Space Yes  No

If yes, please describe how watershed and storm water quality and quantity management considerations were included.

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14. How many targeted staff were trained last year? 11
15. How many targeted staff are trained annually? 11
16. What percentage of total staff are trained annually? 90%
17. Has your agency developed and made available development planning guidelines? Yes  No
18. If no, what is the expected date that guidelines will be developed and available to developers?
19. What is the status of completion of the technical manual for siting and design of BMPs for the development community?

Los Angeles County has submitted this document to the Regional Board's office for their review and approval.

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**D. Development Construction Program**

*The information in this section has been provided based on the best data estimation available.*

1. Describe your agency's program to control runoff from construction activity at all construction sites within its jurisdiction.

Developers and contractors are required to submit plans with appropriate BMP listed. Projects that are over 1 acre are required to obtain the State General Permit, prepare the SWPPP, and show proof of the NOI or their WDR#. After completion of their work they are required to file the NOT and install the post BMPs as required by the State Permit or as by any SUSMP has been proposed for the site.

2. Does your agency require the preparation, submittal, and implementation of a Local Storm Water Pollution Prevention Plan (Local SWPPP) prior to the issuance of a grading permit for all sites that meet one or all of the following criteria?

a) Will result in soil disturbance of one acre or greater Yes  No

b) Is within, directly adjacent to, or is discharging directly to an environmentally sensitive area Yes  No

c) Is located in a hillside area Yes  No

3. Attach one example of a local SWPPP,

As of March 2003 the LSWPPP was effectively superceded by the SWPPP.

Title page of a SWPPP for a project is attached. The actual Plan is kept on City's files.

4. Describe the process your agency uses to require proof of filing a Notice of Intent for coverage under the State General Construction Activity Storm Water permit and a certification that a SWPPP has been prepared prior to issuing a grading permit?

No Permits will be issued until proof of the State General Construction Permit (copy of the NOI) or the WDID is provided. In addition, a copy of the SWPPP may be required at that time.

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- 5. How many building/grading permits were issued to sites requiring Local SWPPPs last year? 14
- 6. How many building/grading permits were issued to sites requiring coverage under the General Construction Activities Storm Water Permit last year? 1
- 7. How many building/grading permits were issued to construction site less than one acre in size last year? 25
- 8. How many construction sites were inspected during the last wet season? 20
- 9. Complete the table below.

Type of Violation	# of Violations	% of Total Inspections	# of Follow-up Inspections	# of Enforcement Actions
Off-site discharge of sediment	0	N/A	N/A	N/A
Off-site discharge of other pollutants	0	N/A	N/A	N/A
No or inadequate SWPPP	0	N/A	N/A	N/A
Inadequate BMP/SWPPP implementation	0	N/A	N/A	N/A

- 10. Describe the process for taking enforcement actions against construction site violations, including the types of actions that are taken.

For minor corrections, a verbal warning is given and an order to correct the offense. For more significant violations, a written notice is issued and follow-up inspections are conducted. If the written notice of violation is not addressed within the required time frame, the work maybe stopped by suspension of work order. Citations will also be issued if not corrected.

- 11. Describe the system that your agency uses to track the issuance of grading permits.

City's Data Base

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E. Public Agency Activities (Part 4.F)

1. Sewage System Maintenance, Overflow, and Spill Prevention (only applicable to agencies that own and/or operate a sanitary sewer system)

a) Has your agency developed and implemented a response plan for sanitary sewer overflows that includes the requirements in Order 01-182? Yes  No

b) How many sanitary sewer overflows occurred within your jurisdiction? 3

c) How many did your agency respond to? 3

d) Did your agency investigate all complaints received? Yes  No

e) How many complaints were received? 64 (3 overflows & 61 service calls)

f) Upon notification, did your agency immediately respond to overflows by containment? Yes  No

g) Did your agency notify appropriate sewer and public health agencies when a sewer overflowed to the MS4? None of the spills entered the MS4 Yes  No

h) Did your agency implement a program to prevent sewage spills or leaks from sewage facilities from entering the MS4? Yes  No

If so, describe the program:

City sewer lines are regularly cleaned and maintained by routine inspections and video taped as needed. All sewage spills are responded to immediately. A sewer grease trap program has been implemented for the restaurants. Extra maintenance has been implemented at problem locations on a quarterly basis.

i) Did your agency implement a program to identify, repair, and remediate sanitary sewer blockages, exfiltration, overflow, and wet weather overflows from sanitary sewers to the MS4? Yes  No

If so, describe the program:

Standard operating procedures ensure that all sanitary sewers are monitored and repaired to prevent leakage. In addition, any suspicious situations are monitored and video taped.

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2. Public Construction Activities Management

a) What percentage of public construction sites 5 acres or greater in size did your agency obtain coverage under the State of California General Construction Activities Storm Water Discharge Permit ?

N/A

b) Give an explanation for any sites greater than 5 acres that were not covered:

N/A
-----

c) What is the total number of active public construction sites? 25  
 How many were 5 acres or greater in size? 0

d) (After March, 2003) Did your agency obtain coverage under the State of California General Construction Activities Storm Water Discharge Permit coverage for public construction sites for sites one acre or greater? Yes  No

3. Vehicle Maintenance/Material Storage Facilities/Corporation Yards Management

a) Did your agency implement pollution prevention plans for each public vehicle maintenance facility, material storage facility, and corporation yard? Yes  No

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b) Briefly describe how your agency implements the following, and any additional, BMPs to minimize pollutant discharges in storm water:

- (1) Good housekeeping practices
- (2) Material storage control
- (3) Vehicle leaks and spill control
- (4) Illicit discharge control

- 1. The city staff is constantly reminded of implementing good house keeping practices while conducting the day-to-day duties.
- 2. Training programs are directed to the City crew to remind them of storing materials indoors, not leaving anything on the ground or exposed to rain, covering dirt piles and etc.
- 3. Vehicle leaks and spills are expected to be contained and controlled immediately.
- 4. No washing of trucks are allowed other than in the designated wash areas.

c) Are all Permittee owned and/or operated vehicle/equipment wash areas self-contained, covered, equipped with a clarifier, and properly connected to the sanitary sewer? Yes  No

If not, what is the status of implementing this requirement?

d) How many Permittee owned and/or operated vehicle/equipment wash areas are scheduled to be redeveloped to include the BMPs listed above? None

4. Landscape and Recreational Facilities Management

a) Has your agency developed a standardized protocol for the routine and non-routine application of pesticides, herbicides (including pre-emergents), and fertilizers? Yes  No

Briefly describe this protocol:

The City retains licensed staff members who are properly trained regarding the correct methodologies of applications of pesticide materials such as insecticides, herbicides, and fertilizers.

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- b) How does your agency ensure that there is no application of pesticides or fertilizers immediately before, during, or immediately after a rain event or when water is flowing off the area to be applied?

All employees and contractors are trained and expected to minimize over watering and to schedule the applications in the dry weather when possible to avoid runoff problems.

- c) Are any banned pesticides, herbicides, fungicides, or rodenticides stored or applied in your agency's jurisdiction that you know of? Yes  No

If so, list them:

- d) What percentage of your agency's staff that apply pesticides are certified by the California Department of Food and Agriculture, or are under the direct supervision of a certified pesticide applicator? 100%

- e) Describe procedures your agency has implemented to encourage retention and planting of native vegetation and to reduce water, fertilizer, and pesticide needs:

During brush removal and re-landscaping projects the City removes non-native invasive species and replants with native species. The City is developing a water-wise plant palette and has already begun using water-wise planting designs. The city commonly uses non-chemical weed abatement measures such as mulch to minimize the need for future pesticides. All non-essential turf is being evaluated for removal and replacement with more water wise plantings. Several turf removal projects have already been completed.

5. Storm Drain Operation and Management

- a) Did your agency designate catch basin inlets within its jurisdiction as Priority A; Priority B; and Priority C? Yes  No

- b) How many of each designation exist in your jurisdiction?
- |             |     |
|-------------|-----|
| Priority A: | 0   |
| Priority B: | 213 |
| Priority C: | 807 |

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- c) Is your city subject to a trash TMDL? Yes  No
- d) If yes, describe the activities and/or implementation measures that your agency conducted pursuant to the TMDL and any other trash reduction efforts that occurred.

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- Pasadena is committed to forging policies in support of increased environmental stewardship, identifies the development of a plastic bag reduction program to support its goal of achieving zero waste to landfills by 2040

**Trash TMDLs Compliance**

- Implementation of the Trash TMDL reduction program consists of cleaning and debris removal of City owned catch basins, the fabrication and installation of catch basin inserts and curb screens, or City approved equal, for catch basin curb openings.
- Spear heading the four-city meetings to discuss and possible design of a coordinated plan and installation of control measures.
- With the Full Capture Certification obtained from the Regional Board, the city has proceeded with purchasing the materials needed in order to move forward with the implementation of the proposed Plan.
- Total of 376 Catch Basin inserts and approximately 502 feet of curb screens have been installed. These Catch Basin Inserts consist of aluminum angles, perforated aluminum sheets, and stainless steel fasteners and other hardware. Additional inserts maybe installed in the City's Catch Basins in 2012.
- Since these CB inserts are installed prior to the rainy season, they have demonstrated to be very effective in capturing trash. This efficiency was more apparent since the City had to elevate its maintenance program with an increase in its catch basin cleaning frequency

**Trash Receptacles**

- Installation of trash receptacles in commercial areas as part of public improvement projects and specific plans, to reduce the amount of trash entering the streets and catch basins. These trash receptacles are regularly maintained and replaced as needed.
- The City has installed large-capacity solar compacting trash receptacles in high trash generating areas, which allow for more trash to be collected.

**Maintenance program**

- Increased street sweeping in commercial areas based on volumes of trash observed by maintenance crews to reduce the amount of trash entering the catch basins.
- Installation of blocks at the Catch Basin openings at the time of the major events
- Additional storm drain cleanings after the major events

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- e) How many times were all Priority A basins cleaned last year? N/A
- f) How many times were all Priority B basins cleaned last year? 2
- g) How many times were all Priority C basins cleaned last year? Min of Once
- h) How much total waste was collected in tons from catch basin clean-outs last year? 1.5 tons + County reported tonnage
- i) Attach a record of all catch basins in your jurisdiction. This shall identify each basin as City or County owned, and Priority A, B, or C. For all basins that are owned and operated by your agency, include dates that each was cleaned out over the past year.

The County under a contract with the City cleans the CBs in the City with the increased frequency of up to twice per year. If there is a record of the trash collected from these CBs, they should be kept at the County's files. In addition, the City crews performed CB cleanings throughout the year.

- j) Did your agency place and maintain trash receptacles at all transit stops within its jurisdiction. N/A Yes  No   
The City is subject to Trash TMDL.

- k) How many new trash receptacles were installed last year?

Total of 14 new trash receptacles were installed in addition to the 85 that were previously installed over the last two years.

- l) Did your agency place special conditions for events that generated substantial quantities of trash and litter including provisions that:
  - (1) Provide for the proper management of trash and litter generated from the event? Yes  No
  - (2) Arrange for temporary screens to be placed on catch basins? Yes  No

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(3) Or for catch basins in that area to be cleaned out subsequent to the event and prior to any rain? Yes  No

m) Did your agency inspect the legibility of the catch basin stencil or labels? Yes  No

What percentage of stencils were legible?

As part of the County's CB Cleaning Contract, all City owned CBs were stenciled in 2011. The contract has been renewed for the fiscal year 2012-13, with the next round of stencils in 2013.

In addition, the City has authorized the County to stencil County owned CBs within the City's jurisdiction.

n) Were illegible stencils recorded and re-stenciled or re-labeled within 180 days of inspection? Yes  No

o) Did your agency visually monitor Permittee-owned open channel storm drains and other drainage structures for debris at least annually and identify and prioritize problem areas of illicit discharge for regular inspection? Yes  No

Is the prioritization attached?

Due to the very small number of open Channels, no prioritization is needed Yes  No

p) Did your agency review its maintenance activities to assure that appropriate storm water BMPs are being utilized to protect water quality? Yes  No

What changes have been made?

The City is striving to become a model for environmental excellence and a prevailing force in environmental protection. To accomplish these goals, the City has established policies that will incorporate environmental responsibility into its daily management of urban and industrial growth, education, energy and water use, air quality, transportation, waste reduction, economic development, and open space and natural habitats.

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- q) Did your agency remove trash and debris from open channel storm drains a minimum of once per year before the storm season? Yes  No

- r) How did your agency minimize the discharge of contaminants during MS4 maintenance and clean outs?

City crew and/or contractors are trained to clean and dispose of the collected debris properly.
---

- s) Where is removed material disposed of?

Landfill
----------

## 6. Streets and Roads Maintenance

- a) Did your agency designate streets and/or street segments within its jurisdiction as one of the following:

- (1) Priority A – streets and/or street segments that are designated as consistently generating the highest volumes of trash and/or litter? Yes  No

- (2) Priority B - streets and/or street segments that are designated as consistently generating moderate volumes of trash and/or litter? Yes  No

- (3) Priority C – streets and/or street segments that are designated as generating low volumes of trash and/or litter? Yes  No

- b) Did your agency perform all street sweeping in compliance with the permit and according to the following schedule:

- (1) Priority A – These streets and/or street segments shall be swept at least two times per month? Yes  No

- (2) Priority B - Each Permittee shall ensure that each streets and/or street segments is cleaned at least once per month? Yes  No

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- (3) Priority C – These streets and/or street segments shall be cleaned as necessary but in no case less than once per year? Yes  No
- c) Did your agency require that saw cutting wastes be recovered and disposed of properly and that in no case shall waste be left on a roadway or allowed to enter the storm drain? Yes  No
- d) Did your agency require that concrete and other street and road maintenance materials and wastes be managed to prevent pollutant discharges? Yes  No
- e) Did your agency require that the washout of concrete trucks and chutes only occur in designated areas and never into storm drains, open ditches, streets, or catch basins leading to the storm drain system? Yes  No
- f) Did your agency train its employees in targeted positions (whose interactions, jobs, and activities affect storm water quality) regarding the requirements of the storm water management program to:
- (1) Promote a clear understanding of the potential for maintenance activities to pollute storm water? Yes  No
- (2) Identify and select appropriate BMPs? Yes  No
7. Parking Facilities Management
- a) Did your agency ensure that Permittee-owned parking lots be kept clear of debris and excessive oil buildup and cleaned no less than 2 times per month and/or inspected no less than 2 times per month to determine if cleaning is necessary. Yes  No
- b) Were any Permittee-owned parking lots cleaned less than once a month? Yes  No   
How many? N/A

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## 8. Public Industrial Activities Management

- a) Did your agency, for all municipal activity considered an industrial activity under USEPA Phase I storm water regulations, obtain separate coverage under the State of California General Industrial Activities Storm Water Discharge Permit no later than December 31, 2001?

Yes  No 

- b) Does your agency serve a population of less than 100,000 people?

According to the US Census Bureau of 2010, the Pasadena's population was estimated to be 147,112.

Yes  No 

## 9. Emergency Procedures

- a) In case of real emergencies, did your agency repair essential public services and infrastructure in a manner to minimize environmental damage?

Yes  No 

- b) Were BMPs implemented to the extent that measures did not compromise public health and safety?

Yes  No 

## 10. Feasibility Study

- a) Did your agency cooperate with the County Sanitation Districts of Los Angeles County to prepare a study which investigates the possible diversion of dry weather flows or the use of alternative treatment control BMPs?

Yes  No 

- b) Did your agency review its individual prioritized list and create a watershed based priority list of drains for potential diversion and submit a listing of priority diversions to the Regional Board Executive Officer?

Yes  No

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1. Attach a copy of your agency's IC/ID Elimination Implementation Program (Part 4.G.1.a.).
2. Attach a map of your storm drain system showing all permitted connections (if available), and the locations of all illicit connections and discharges that occurred last year (Part 4.G.1.b). If your agency has not completed this requirement, describe the status of the development of a baseline map, including an expected completion date.

The City does not allow connections to the storm drain system without a permit. These Permits are kept manually on file at the City's Public Works Department office. A map of the City's storm drain, however, is attached.

3. Describe your enforcement procedures for eliminating illicit discharges and terminating illicit connections.

During the routine site inspections, an attempt to identify illicit connections and illicit discharges, is made. Upon identification of an illicit discharge or an illicit waste, the responsible party is issued a notice to comply and is directed to implement the appropriate best management practices in order to remedy the problem and prevent future discharges into the storm drain system.

4. Describe your record keeping system to document all illicit connections and discharges.

The City's Health Department maintains an electronic database. Each record consists of the background information, site address, nature of violation, and a follow-up schedule. Investigation is considered closed if no discharge is observed after the initial violation.

The City's Public Works Department site inspection program also maintains a separate data base of all the inspections and investigations conducted. These records briefly describe the conditions of the sites at the time of the inspections.

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5. What is the total length of open channel that your agency owns and operates? 2,632 ft
6. What length was screened last year for illicit connections? Please see description under number 9 below. N/A
7. What is the total length of closed storm drain that your agency owns and operates? 172,888 ft
8. What length was screened last year for illicit connections? Please see description under number 9 below. N/A
9. Describe the method used to screen your storm drains.

The City has field screened all drains that it owns and operates. The methods used have been a combination of CC TV and visual. Total of 92,920 ft of 36" or larger size pipes have been televised. The method used to screen the remainder of the pipes was in accordance with the Permit "Field Screening" definition. City crew is trained to look for any suspected illicit discharge or activity that might lead to an illicit Connection and they will report and investigate any suspected illicit discharges and/or activities. Records are kept in file and an illicit connection if found will be terminated.

10. Provide the reporting data for illicit connections as suggested in the following table (you may submit a spreadsheet from your database that contains the information).

Year	Total # reported/ identified	Total # investigated	# that conveyed exempt discharges or NPDES permitted	# that conveyed illicit discharges that were terminated	# that were removed	# that resulted in enforcement action	# that resulted in <i>other</i> actions
01/02	0	N/A	N/A	N/A	N/A	N/A	N/A
02/03	0	N/A	N/A	N/A	N/A	N/A	N/A
03/04	0	N/A	N/A	N/A	N/A	N/A	N/A
04/05	1	1	0	1	0	0	N/A
05/06	0	N/A	N/A	N/A	N/A	N/A	N/A
06/07	0	N/A	N/A	N/A	N/A	N/A	N/A
07/08	0	N/A	N/A	N/A	N/A	N/A	N/A
08/09	0	N/A	N/A	N/A	N/A	N/A	N/A
09/10	0	N/A	N/A	N/A	N/A	N/A	N/A
10/11	0	N/A	N/A	N/A	N/A	N/A	N/A
11/12	0	N/A	N/A	N/A	N/A	N/A	N/A

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11. Explain any *other* actions that occurred in the last year.  
None
12. What is the average time it takes your agency to initiate an illicit connection investigation after it is reported? 24 hours
- a) Were all identified connections terminated within 180 days? N/A Yes  No
- b) If not, explain why.

13. Provide the reporting data for illicit discharges as suggested in the following table (you may submit a spreadsheet from you database that contains this information).

Year	Total # reported	Total # that were discontinued/ cleaned up voluntarily through enforcement and the source was identified	# that were cleaned up but the source could not be identified	# that resulted in no evidence of discharge	# that were determined to be conditionally exempt	# that were exempt or in compliance and the source identified	# that resulted in enforcement action
01/02	1	1	0	1	0	1	0
02/03	10	10	10	0	0	0	10
03/04	4	2	-	1	-	-	-
04/05	9	9	0	3	0	0	0
05/06	70	60	-	3	-	60	-
06/07	173	118	118	118	0	118	17
07/08	2	2	2	0	0	0	2
08/09	26	3	3	4	0	4	26
09/10	10	9	1	9	0	9	2
10/11	20	12	8	8	0	8	2
11/12	0	0	0	0	0	0	0

14. What is the average response time after an illicit discharge is reported? 24 hours
- a) Did any response times exceed 72 hours? Yes  No
- b) If yes, explain why.

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15. Describe the your agency's spill response procedures.

Once the spill is reported, an inspector will be dispatched to perform an investigation. The inspector will then determine if further agencies notifications or actions are required (i.e. Hazardous Materials Unit, Vacuum Trucks, etc.). The responsible party is issued a Notice of Violation if appropriate and cleaning measures follow.

16. What would you do differently to improve your agency's IC/ID Elimination Program?

The Inspection program seems to be effective at this time.

17. Attach a list of all permitted connections to your storm sewer system.  
Records for Permitted connections to the Storm Sewer system are kept manually in a file at City's Pubic Works Department

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Briefly describe any storm water monitoring activities that are not required by Order No. 01-182 that your municipality conducted, participated in, or received funding to conduct in the past fiscal year. These activities should correspond with the dollar amount you listed in Table 2.

Los Angeles Metals TMDLs-The City of Pasadena is a member of the Coordinated Monitoring Plan (CMP) Technical Committee (TC). The CMP is a requirement of the LA River Metals TMDL as adopted. The deadline for the submittal of the CMP was met and the Plan was submitted to the Regional Board on behalf of the responsible agencies. This committee has been meeting regularly. The TC had been reporting their activities to the responsible agencies. The monitoring began in October 2008 and is ongoing with all Tier I locations. Monitoring of Tier II sites has started in an effort towards the source investigation process.

**VI. Assessment of Program Effectiveness**

A. Attach a summary of the effectiveness of your storm water management program. This summary should include, at a minimum, the following:

1. An assessment of your agency's compliance with permit requirements, based on your responses to the questions in this form;

The ongoing review and assessment of the policies and procedures has enabled the City to better understand and subsequently better implement the Permit requirements.

The City of Pasadena elects to be an environmental advocate and a leader in environmental compliance and protection. The City has cultivated superior environmental standards that will provide for sustainable municipal development.

The City believes that the protection of the urban and natural environments is a social responsibility and a fundamental obligation of a democratic government, and that an ecologically impoverished and polluted environment adversely impacts human health.

The City is striving to become a model for environmental excellence and a prevailing force in environmental protection. To accomplish these goals, the City has established policies that will incorporate environmental responsibility into its daily management of urban and industrial growth, education, energy and water use, air quality, transportation, waste reduction, economic development, and open space and natural habitats.

2. Descriptions of any evaluation methods that your agency uses to determine the effectiveness of your storm water management program;

The evaluation of this program has been mostly through the interaction methods with the public, business community, and the staff. The effectiveness of the program has been observed by the increase in public awareness, business knowledge, and staff conscientiousness

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3. A summary of the strengths and weaknesses of your agency's storm water management program;

The strength of the program is the tremendous effort by the City staff to ensure compliance. The City believes in implementing the program with its limited resources to the best of its abilities. Constructive criticisms and positive efforts towards the program enhancements are also considered to be the strengths of the City staff.

The weakness of the program is the increasing cost to the City as additional requirements continue to be imposed. So far, the city has been able to meet the minimum requirements, but unless additional funding can be obtained, future compliance may be difficult.

4. A list of specific program highlights and accomplishments;

- **Green City Program**

The City has taken a number of significant actions to become a green city.

Recent examples include:

1. Adoption of an Environmental Charter
2. Endorsement of the United Nations Green Cities Declaration and Urban Environmental Accords
3. Endorsement of the US Conference of Mayors Climate Protection Agreement
4. Adoption of a Green City Action Plan
5. Adoption of ordinance creating an Environmental Advisory Commission
6. Adoption of a Green Building Program

Effective January 1, 2011, the New 2010 Building Codes will be enforced.

New to this code cycle update is the:

CALIFORNIA GREEN BUILDING STANDARDS CODE

Visit the California Building Standards Website for more information at this link

<http://www.bsc.ca.gov/default.htm>

7. Adoption of a resolution in support of Green Cities California
- **Plastic Bag Ban-** The plastic bag ban went into effect for large grocery stores and food marts on July 1, 2012. These are grocery stores or food marts with at least 10,000 square feet of retail space and stores less than 10,000 square feet that have a pharmacy.

On December 31, 2012, the ban will take effect for smaller grocery stores and food marts, liquor stores, convenience stores, farmers markets, drug stores, pharmacies and vendors at City sponsored events, facilities, or on City property. Stores are required to provide reusable bags to customers for sale or at no charge.

- **LA River Metals TMDLs-**City is a member of the LA River Metals Coordinated Monitoring Plan (CMP) Technical Committee (TC) and the Reach 2 Implementation Plan (IP) TC. The IP's TC has proactively developed the Implementation Plan which was submitted to the RWQCB per the TMDLs requirement.

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- **LA River Trash TMDLs**-The City has also been involved with the four cities' program proposing to implement the Trash TMDL. With the Full Capture Certification from the Regional Board, the city has proceeded with purchasing the materials needed in order to move forward with the implementation of the proposed Plan. Total of 376 Catch Basin inserts and approximately 502 feet of curb screens have been installed in order to comply with the deadlines. Since these devices were installed prior to rainy season, they have demonstrated to be very effective in capturing trash. This efficiency was more apparent since the City had to elevate its maintenance program with an increase in its catch basin cleaning frequency. Additional inserts may be installed in the City's Catch Basins in 2012.



- **Community Rain Garden Project**-The Pasadena Public Works Department collaborated with the Pasadena Water & Power to design and construct a "Community Rain Garden" in downtown Pasadena at the southeast corner of Union St. and Catalina Avenue. The goal was to beautify the site for the daily use and enjoyment of city residents, workers and visitors. The project was designed to promote water conservation with natural stone basins to retain water for plant growth in the winter; decomposed granite pathways for water percolation; native and drought-tolerant plant material with natural wood mulch; use of drip irrigation & solar irrigation controller; solar pathway lighting; and site furnishings including decorative benches, trash receptacles, and a picnic table, and a colorful public art piece. The project was built by City staff and contractors, and community volunteers at a City-sponsored Community Workshop.



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- **Pervious Pavement Parking-** The new Pasadena Water & Power building at the City yards included the construction of an estimated 30,000 square feet of pervious concrete pavement throughout the parking lot to allow for storm water infiltration.



- **Trash Receptacles-** Total of 14 new trash receptacles were installed in addition to the 85 that were previously installed over the last two years.
- **Water Shortage Procedures Ordinance** -Effective July 4, 2009, specific instances of water waste are permanently prohibited, whether or not a water shortage exists.

[http://ww2.cityofpasadena.net/waterandpower/watershortage/#"Water\\_Shortage\\_Level"](http://ww2.cityofpasadena.net/waterandpower/watershortage/#)

The following is a summary of a few key components in the Water Shortage Procedures Ordinance effective July 4, 2009 which can help reduce urban runoff.

- No watering outdoors between 9 a.m. and 6 p.m., except with a hand-held container or hose with a shut-off nozzle, or for very short periods when adjusting a sprinkler system;
- No watering during periods of rain;
- No excessive water flow or runoff onto pavement, gutters or ditches from watering or irrigating landscapes or vegetation of any kind;
- No washing down paved surfaces unless for safety or sanitation, in which case a bucket, a hose with a shut-off nozzle, a cleaning machine that recycles water or a low-volume/high-pressure water broom must be used;

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- All property owners must fix leaks, breaks or malfunctions when they find them, or within seven days of receiving a notice from PWP;
- Fountains and water features must have a re-circulating water system;
- Vehicles must be washed with a hand-held bucket and/or hose equipped with a water shut-off nozzle (does not apply to commercial car washes);
- No installation of non-recirculating water systems at new commercial car washes and laundry systems. Effective July 1, 2010, all commercial car washes must have a re-circulating water system or secure a city waiver.
- No installation of "single pass cooling systems" in buildings requesting new water service.

**Other ongoing programs;**

- Catch basins are temporarily blocked during events, such as the Rose Parade, where there is an elevated risk of excessive trash entering the storm drains.
- The City has established a separate Hotline for reporting illicit discharge. The number is 626-744-STRM
- The City has implemented a very strict program for all hillside development in an attempt to further reduce hillside erosion from entering the storm drains.

5. A description of water quality improvements or degradation in your watershed over the past fiscal year;

The City does not assess water quality for the watershed. Water quality monitoring is performed by the County of Los Angeles. In addition, per the LA River's Metals TMDL CMP, the monitoring of the LA River main channel has been ongoing since October 2008. The data from this effort data has been submitted to the RWQCB. Any improvements or degradations in the watershed can be assessed as part of the compliance requirements. The Implementation Plan that was developed in October 2010 addresses such issues.

6. Interagency coordination between cities to improve the storm water management program;

The City of Pasadena is a member of the LA River Metals Coordinated Monitoring Plan (CMP) and the Reach 2 Implementation Plan (IP) Technical Committee (TC) s. These TCs have also been proactively working on development of the IP and the ongoing monitoring. The IP was submitted to the RWQCB in January 2010 as required by the TMDLs. The RWQCB completed their review of the draft Plan and prepared a letter of comments. The group developed and completed the final Plan which was submitted to comply with the Oct 2010 deadline. The Plan was finalized for submittal of the Oct 2010 deadline and revised to include more participating Cities in June 2012.

The city also meets bi-monthly with three neighboring cities where the staff discusses the NPDES issues as a regular item. In addition, the City attends various watershed meetings and regional workshops to discuss NPDES and TMDLs related issues.

7. Future plans to improve your agency's storm water management program

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TMDLs and their inclusions in the future permit maybe the most important issue and very challenging to address in the City's future plan. The storm water management program is continuously evaluated and improvements are made as needed. Policies and procedures may have to be revised in order to meet the upcoming Permit deadlines.

- 8. Suggestions to improve the effectiveness of your program or the County model programs.

More cooperation and coordination with the County.

- B. On a scale of 1 to 10 (10 being full implementation of requirements by their deadlines), rate your municipality's level of compliance with Order No. 01-182.

The City, to the Maximum Extent Practicable, has implemented the requirements to the best level of its abilities. In absence and because of the highly subjective nature of the definition for "a full Implementation", given the circumstances, limited funds and challenges that staff faces through the year, City would give itself a 10 for its efforts.

- C. List any suggestions your agency has for improving program reporting and assessment. Irrelevant questions need to be eliminated from the forms. Tasks that are not required by the Permit may be difficult to report on. These items need to be modified or eliminated.

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**Los Angeles County Municipal Storm Water Permit (Order 01-182)****Individual Annual Report Form****Attachment U-4****FY 2011-12****Certification Statement**

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility, of a fine and imprisonment for knowing violations.

Executed on the 23rd day of August, 2012

at           Pasadena, California          .

Printed Name:   Daniel A. Rix                        Title:   City Engineer  

(Signature) Original signature sheet is attached as a separate PDF file

**Signature by duly authorized representative**